Terrible Death-Dealing by Explosions That Have Occurred in All Parts of the

The Winehester powder explosion. caused no doubt by carclessness, calls unew to notice the awful dangers which lurk within the walls of great factories, where hundreds or even thousands of employes are at work. The streets of cities are honeycombed with gas mains and oil conductors, in manufacturing districts are hundreds of boilers which may in a moment be converted into machines of death and destruction. There are in numerable articles of commerce which

hoods in which they

may spread ruin Sir Frederick Abel's Coat and story which accomover the neighbor- Hat After an Explosion.

From a Photograph. are stored and "The clothing which he wore, torn by for the lesson that handled, the force of the concussion, was these great disasters photographed by attaches of the War Office."

Even so seemingly nocent a commodity as flour loads the air of great millng establishments with millions of explosive particles. and some of the most disastrous explosions that ever happened have occurred in flour mills, both in this country and Europe.

On this page are printed pictures showing what destruction has been wrought by some of the most famous explosions throughout the world during the last quarter centurn. Every picture is a varning, and the

panies them should



The Great Cauliflower of Smoke from the Antwerp Exolosis in.

and it was six tons of powder which I done the terrific work.

Mills in Glasgow was lifted into the

ess remarkable than the horrors of t

was knocked insensible by the explosian ostrich's egg, and barely escaped

Of all the wonderful escapes which h

been chronicled in connection with exp

sives, the most fabulous is that of Frederick Abel, the renowned chen During some experiments at Lydd one of gun cotton exploded prematurely. Frederick was thirty yards away. He w

hurled upon the ground and badly be One small stone was hurled through

coat and made a severe wound, but f than that he had no injuries. The ck which he wore, torn by the force of

concussion, was photographed by at

of the War Office. The photograph

It is difficult to believe that flour, t

From a Photograph.

"The smoke went up in a vast plume, which hung for some minutes in the almost motionless The scene beneath was awful."

over a great area, fifteen of them to the square foot." THE frightful explosion of powder in the Winchester Gun Shell shops in New Haven is only another addian awful record of fatal careless-It is only another warning against orkers in explosives for the death-

he Great Johannesburg Explosion (Snapshot Taken at a Distance of Four

Wiles.)

From a Photo, by Gannon, Johannesburg Millions of cartridges were thrown up into the air and descended like a shower of hallstones

stries there are handled, day after day, man be for one instant careless. wreck property and put out human like candles. In the hearts of great ies are stored thousands upon thousands pounds of potent explosives, awaiting some cases a particular atmospheric con-

ly and most shocking of all the rec-of cusum, Danger is everywhere, amount of orecaution, for example, to prevent explosions in places where as are stored. Even the nost innof them are terrible. Toy caps, harm-lough as Fourth of July noise-nakers, k fearful havoc if exploded in quan-

used by a toy cap manufacturer was utterly destroyed, fournjuged. There were 20,772,000 caps lace, and they contained a poten-osive force equal to 1,620 pounds been caused by the falling of some

litious, has been the cause of some of most terrible explosions ever known. January, 1886, the Victoria station at wich, England, was torn into tatters the explosion of gas in the cellar. A less carpenter, sent to make some rehad disarranged pipes so that they

A few hours after he had left the a building went to pieces with a rous report. The roof was in splintgreat beams were snapped like jack-ws and debris burled into the air in

isting materials have figured largely in history of deadly and destructive ex-



Gas Explosion, Victoria Station, Norwich.

From a Photo, by W. L. Shrubsole, Norwich. "The building went to pieces with a tremendous report. The roof was in solinters, great beams were snapped like jackstraws and debris hurled into the air in clouds."



Explosion of Toy Caps in Paris.

From a Photograph.

"There were 20,772,000 caps in the place, and they contained a potential explosive force equal to 1,620 pounds of gun powder."

their might is recorded than the Johannis-berg explosion of a year and a balf ago. Fifty-five tons of blasting gelatine and ninety cases of detonators exploded on a siding of the Netherlands South African Rallway, near the Johannisberg station. A train which was being shifted from one side track to another struck this death-Inden car, and in a second the whole vicinity was rent and torn and hurled in dust and seraps high in the air. A mighty pit was hollowed out in the earth. Words could not describe the horror of it. "The ground," said one eyewitness, "was strewn with Kaffir skulls. The huge plt was a gnastly sepulchre, filled with piriful, sick-ening scraps of humanity. Twenty sacks were filled with these fragments. Dismembered mules and horses, broken bits of wagons and rallway rolling stock were scattered everywhere. Houses were in splinters. More than fifty dead bodies were found, and many victims died in the impro-

The steel rails of the company's tracks were twisted like strips of pewter. Some of them, immediately adjoining the spot where the train load of explosives had stood, were curled up, twenty and even thirty feet in the air. A hot bolt from the explosion was hurled into a building outside of town, where 400 tons of dynamite was stored, but by some marvellous dispensation fell into a pall of water and was extinguished.

Some remarkable photographs were taken immediately after the explosion. One, made from a distance of four miles, shows the vast cloud of smoke which mounted into the air above the scene of ruln.

A very similar picture was made by an alort photographer after the great explosion in Antwerp, on September 6, 1889. The factory in which this explosion occurred was established by a Mr. Corvilain for the purpose of breaking up obsolete metal cartridges. Near it was a petroleum refinery, and the Municipal Council only nilowed Corvilain to go on with his business on condition that he should never carry more than 600 pounds of powder. A month after the granting of the permit the place went up with a crash which was plainly heard at Flushing, thirty miles away. The smoke went up in a vost plume, which hung



Johannesburg Explosion—Showing the Railway Track at the Edge of the Crater.

"The steel rails of the company's tracks were twisted like strips of pewter. Some of them, immediately adjoining the spot where the train load of explosives had stood, were curled us, twenty and



esburg Explosion—Searching for Bodies in the Great Crater. 9230

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